

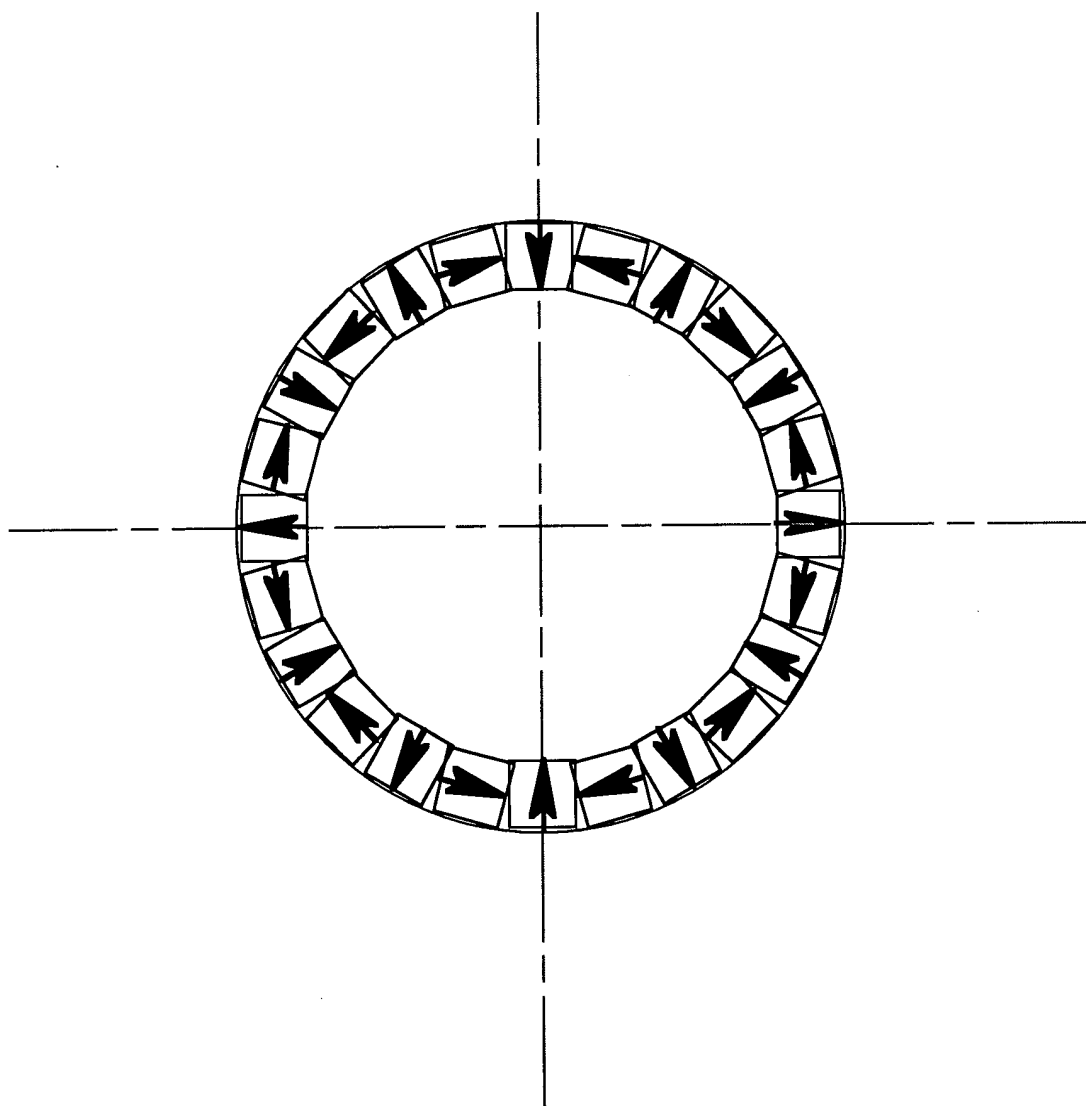
internal field: dipole  
 configuration: 8 segment  
 alternative : 16 segment  
 note: typical field uniformity <3%

1A  
 FIGURE 1: DIPOLE HALBACH ARRAY WITH ARC SEGMENT MAGNETS

(PRIOR ART)

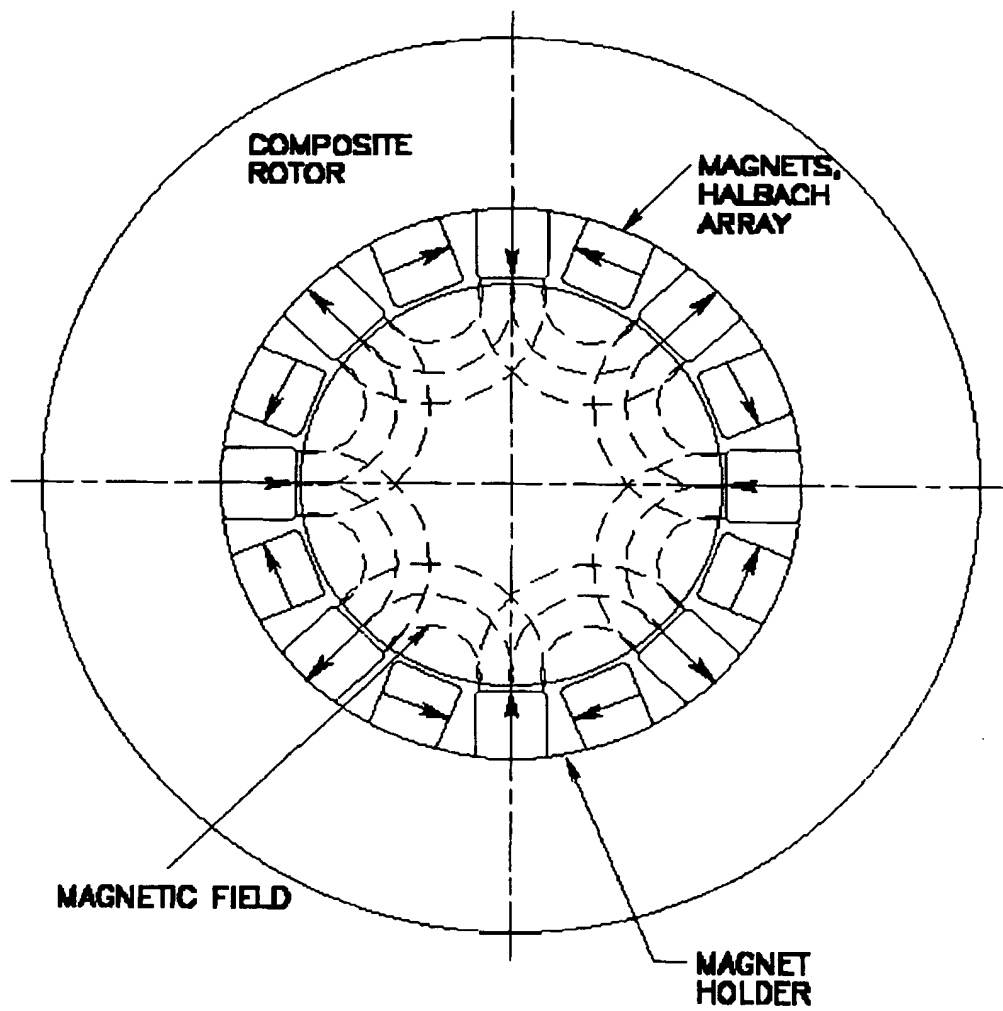
005280-1164960

005280" 44164960



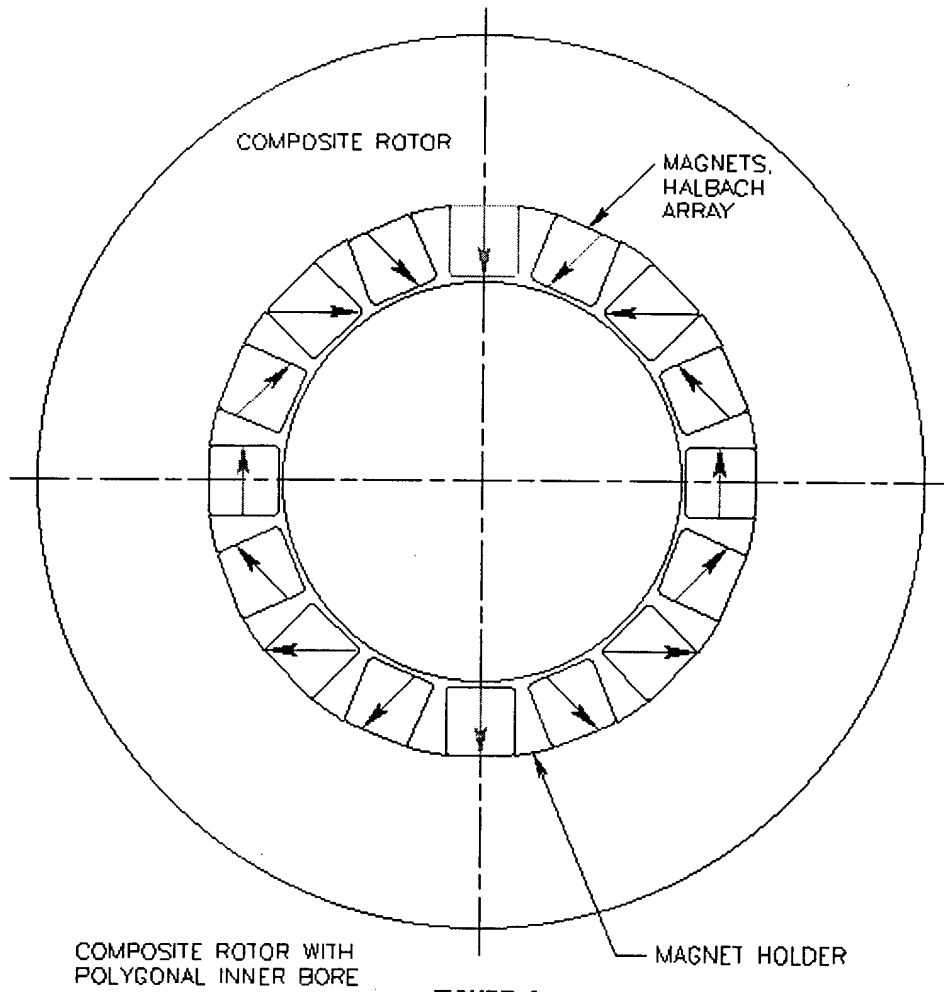
1B E  
FIGURE 1a MULTIPLE POLY HALBACH ARRAY WITH SQUARE  
SEGMENT MAGNETS

005230-44764960



1C  
FIGURE 1a: MULTIPLE POLE HALBACH ARRAY WITH  
SQUARE SEGMENT MAGNETS

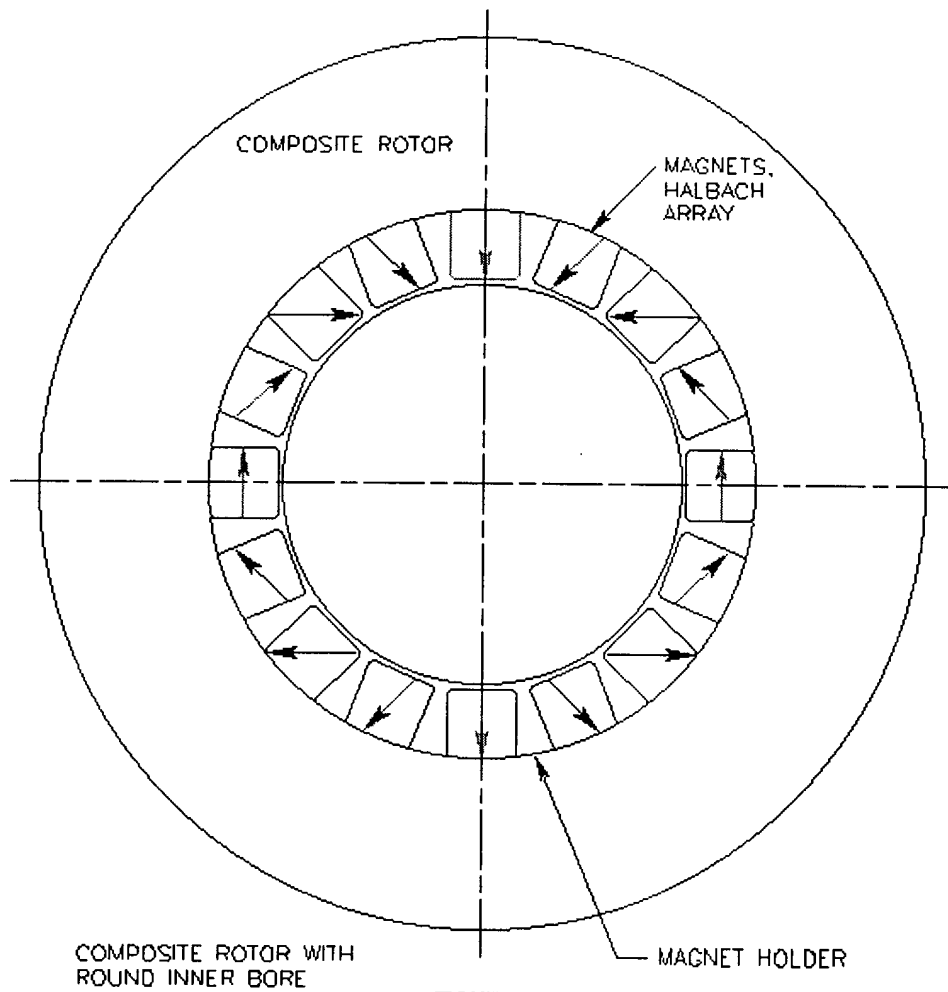
TRINITY PROPRIETARY INFORMATION



**FIGURE 2**

FIGURE 2: SQUARE MAGNETS IN HALBACH ARRAY WITH INTEGRAL MAGNET HOLDER INSIDE A POLYGONAL BORE

TRINITY PROPRIETARY INFORMATION



**FIGURE 3**

FIGURE 3: SQUARE MAGNETS IN HALBACH ARRAY WITH INTEGRAL MAGNET HOLDER INSIDE A ROUND BORE

005280" 44767950

005280"447560

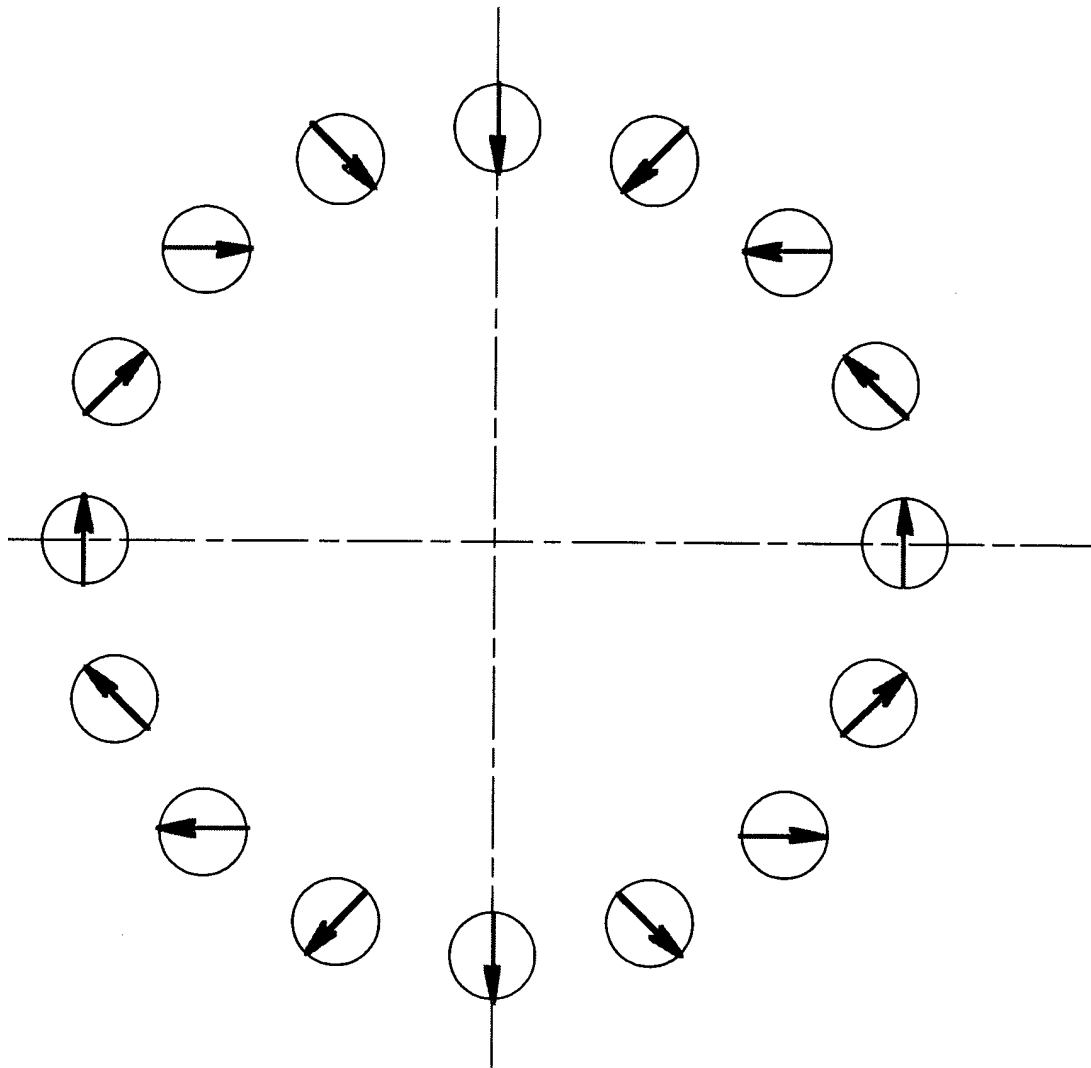


FIGURE 4: DIPOLE HALBACH ARRAY WITH CYLINDRICAL MAGNET SEGMENTS

005280" 44T64960

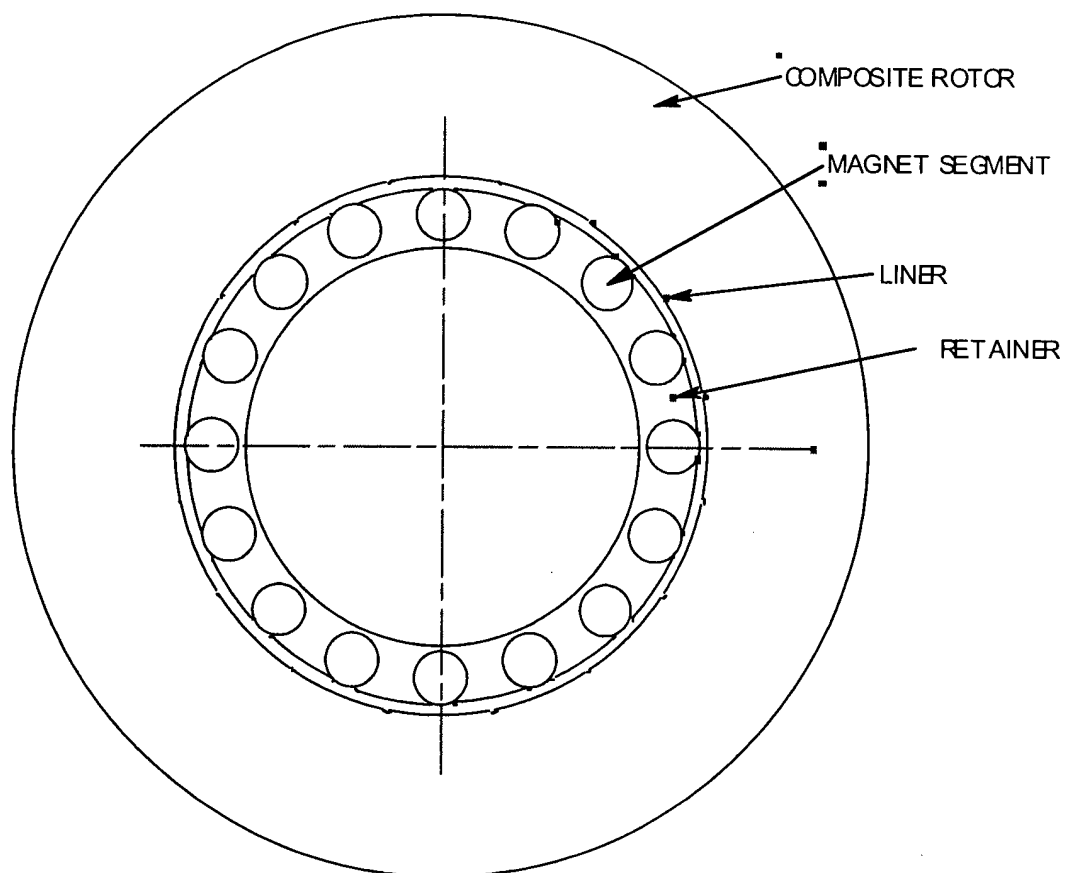


FIGURE 5: THIN LINER AND RETAINER

005380-446450

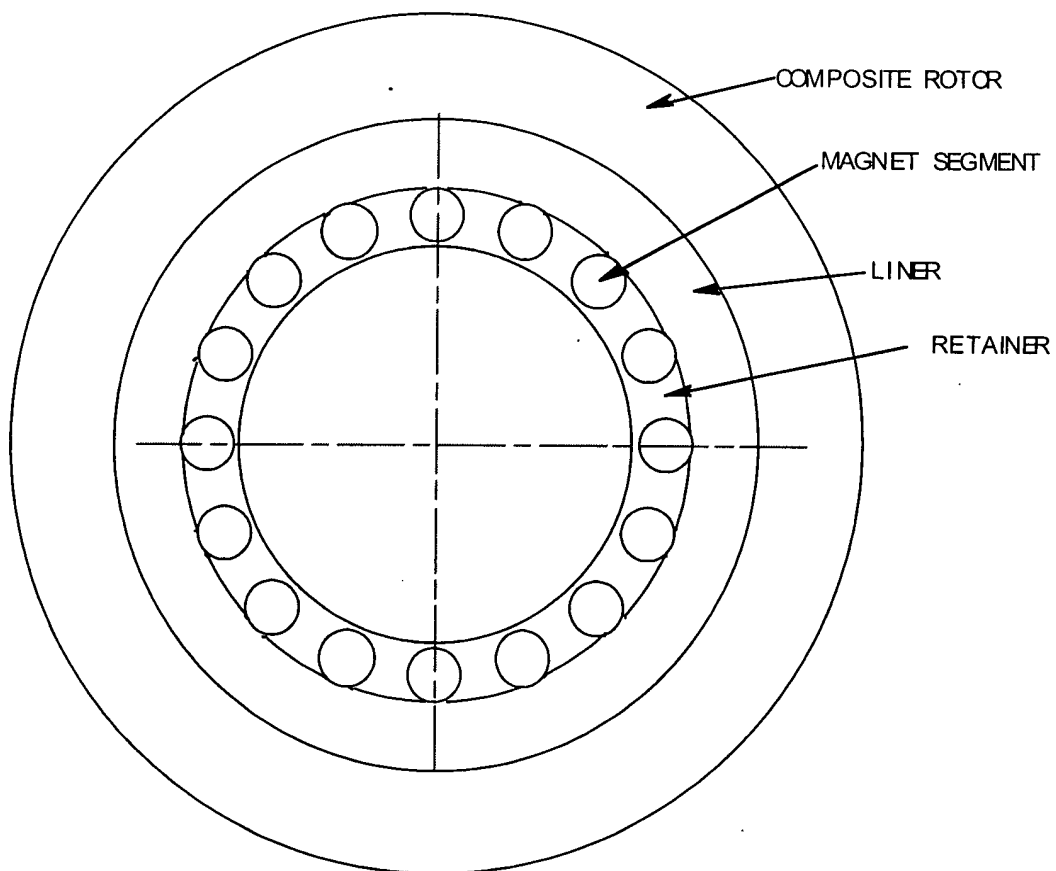


FIGURE 6: THICK LINER, SEPRATE RETAINER



005280-44757960

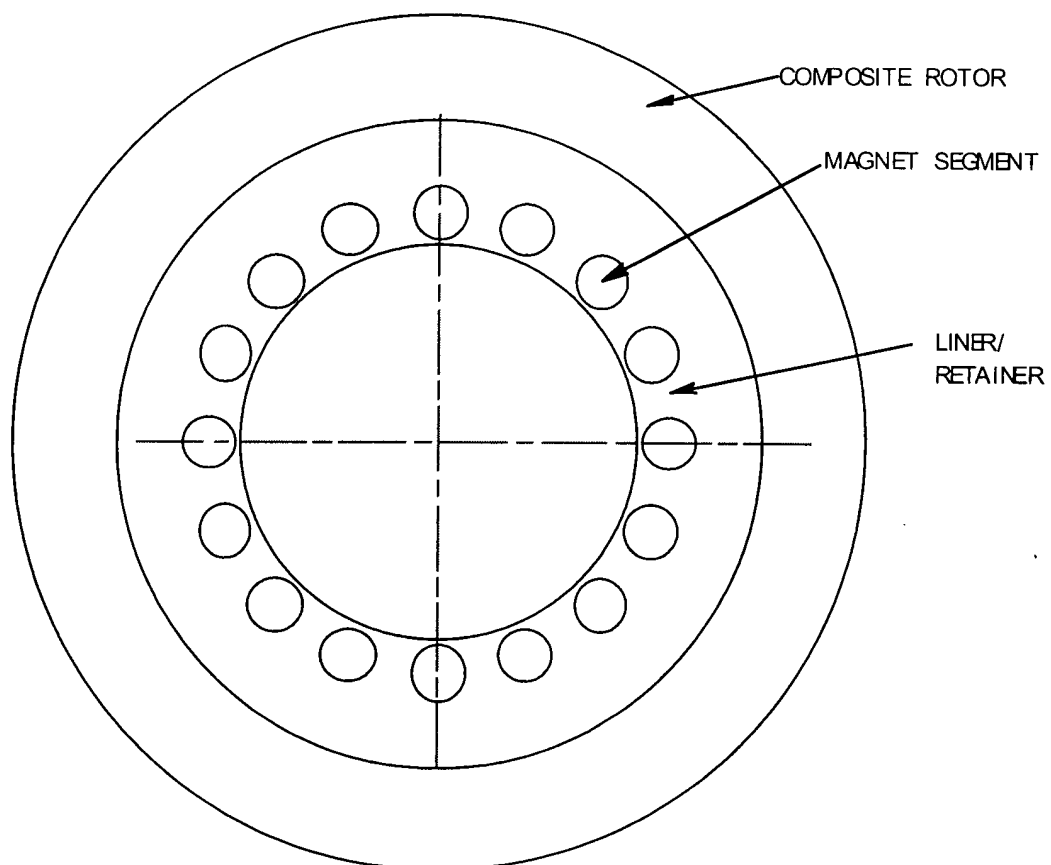


FIGURE 7: COMBINED LINER RETAINER

005230-44-054914-05230

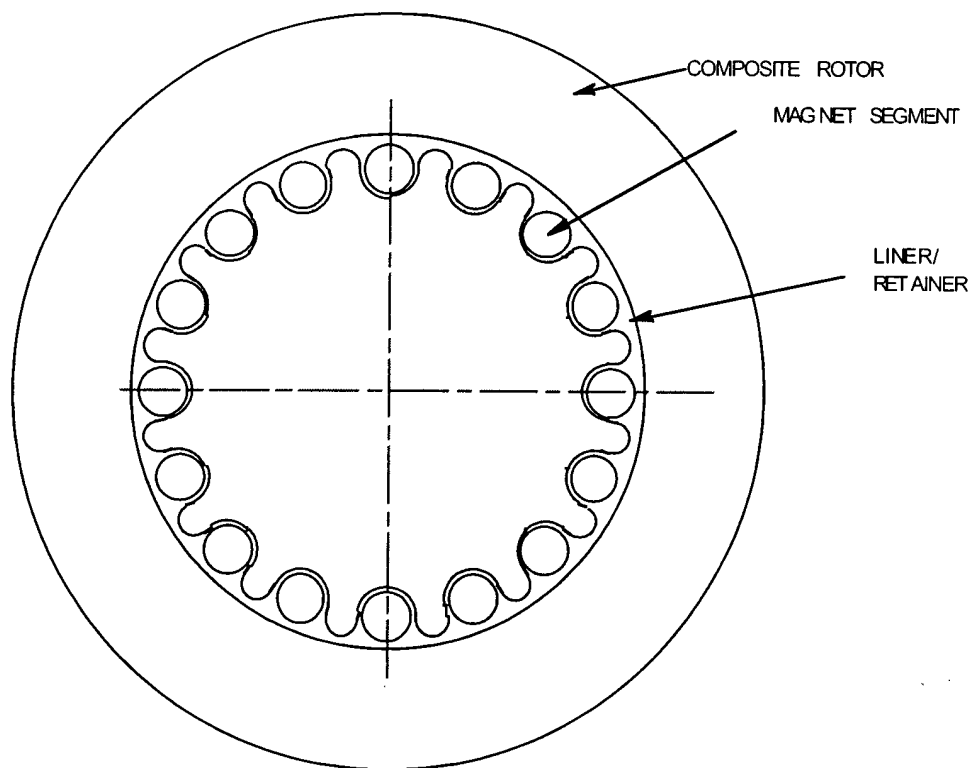


FIGURE 8: CONTOURED LINER/RETAINER

005280" 44T64960

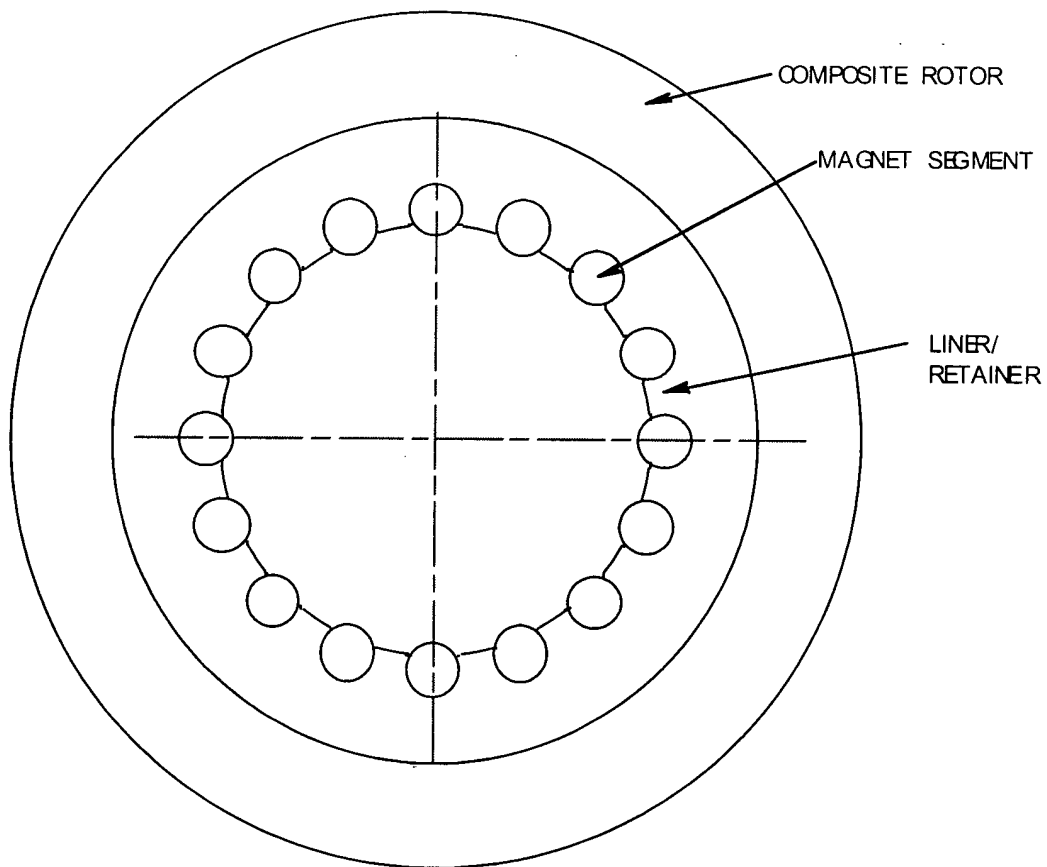


FIGURE 9: PARTIALLY SURROUNDING LINER/RETAINER

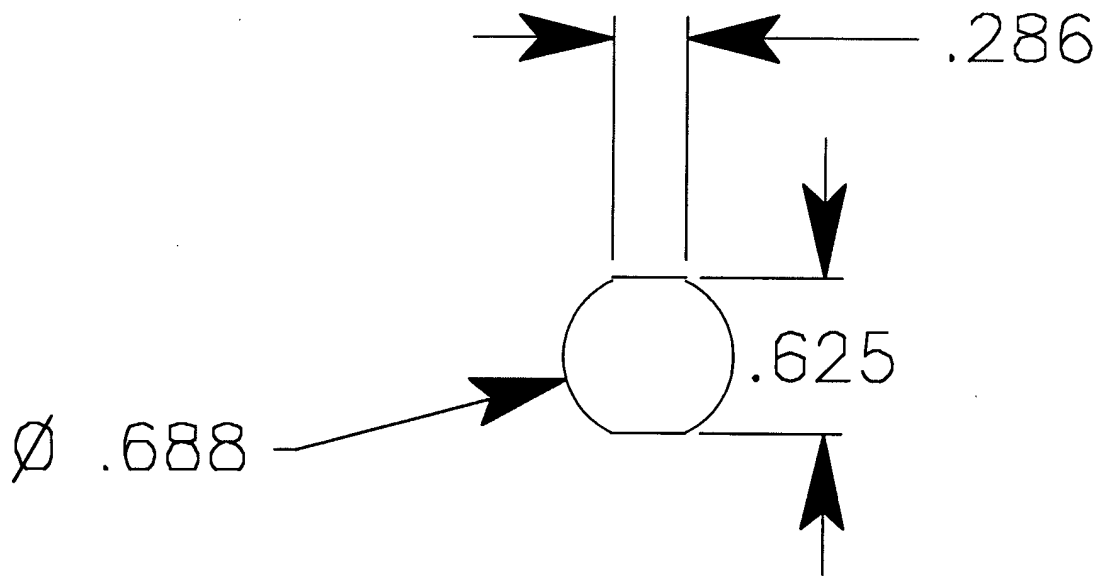


FIGURE 10: MAGNET SEGMENT WITH ANTIROTATION FLATS

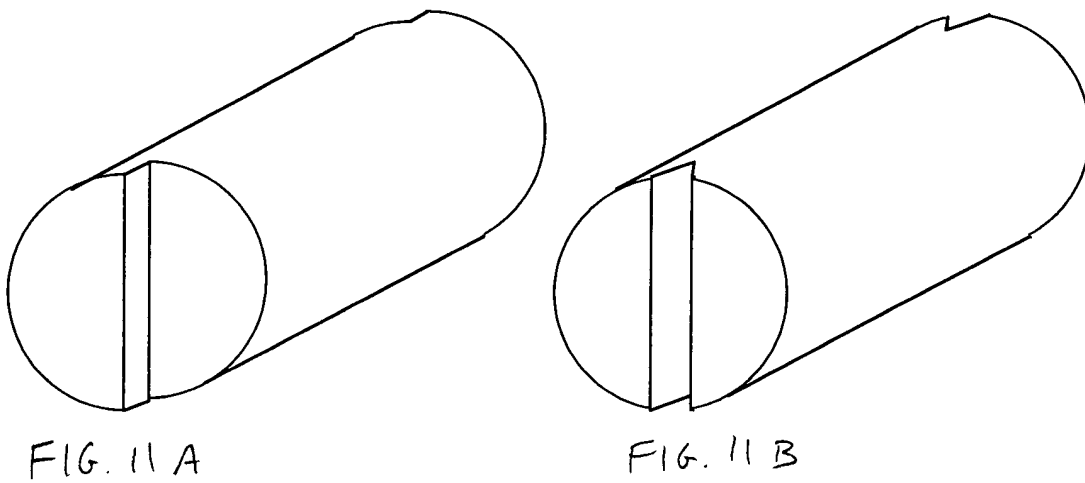


FIGURE 11: ANTIROTATION FEATURES ON ENDS OF MAGNET (STEP OR GROOVE)